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**FIELD OVERSIGHT SUMMARY REPORT**  
**ACS NPL SITE**  
**GRIFFITH, INDIANA**  
November 18, 1996 - November 21, 1996

**USEPA/ARCS V  
BVSPC Weekly Field Oversight Summary**

Reporting Period: November 18 - November 21, 1996

BVSPC Project No. 71670

Site Name/Location: ACS, Griffith, IN

Hours Worked: 51

USEPA Work Assignment Manager: Sheri Bianchin

Project Coordinator: Steve Mrkvicka

Personnel Summary Affiliation	No. of Personnel	Responsibility
Dave Pieczynski, Phil Smith, Clayton Heffter Montgomery Watson Addison, Illinois	3	Field Sampling Personnel
John Hurtonbach Montgomery Watson Madison, Wisconsin	1	Field Sampling Personnel
Young's Environmental	4	Installation of natural gas line to the treatment building
Horizontal Technologies	3	Excavation of PCB soils along the PGCS trench alignment
Ashok Rupani Black & Veatch Special Projects Corp. Chicago, Illinois	1	USEPA Oversight Contractor

**Summary of field activities:** A number of field activities were undertaken by Montgomery Watson, the PRP Contractor, and its subcontractors during this reporting period. From November 18, 1996, through November 21, 1996, Phase II wetlands sediment sampling was conducted. On November 21, 1996, HTI excavated the PCB-impacted soils along the PGCS trench alignment. From November 20, 1996, through November 21, 1996, Young's Environmental installed the natural gas line to the treatment building.

## Phase II Wetlands Sediment Sampling

The objective of the Phase II wetlands sediment sampling was to further define the impacts from the ACS site. The sampling was conducted in accordance with the November 6, 1996, Pre-Design Work Plan Addendum, Phase II Wetlands Sediment Sampling Plan and August 1995 Pre-Design Activities QAPP, Field Standard Operating Procedure (SOP) for sediment sampling and analysis.

Prior to sampling, a field reconnaissance was conducted to identify the orientation of the drainage channel within the wetlands area. This drainage channel runs from near the ACS facility fence (Phase I sediment sampling location SD22) west into the wetlands area to the north-south drainage ditch (Phase I surface water sampling location SW12). Based on the field identification, the drainage channel was not oriented exactly east-west contrary to the assumption stated in the sampling plan. Hence, the sampling grid surrounding Phase I sample location SD33, which was located with reference to this drainage channel, exhibited a skewed rectangular pattern. The sampling grid consisted of 47 sampling locations surrounding SD33. These sampling locations were designated as A1, B1, C1, D1, and so forth beginning at the west end of the grid. An additional sampling location A8-1 was identified between A7 and A9 to ensure a maximum 50 feet distance between adjacent sampling locations. This was necessitated due to the skewed nature of the sampling grid. Four (4) transects comprising 20 sampling locations along the axis of the drainage channel and four (4) sampling locations near the culvert outfall south of the railroad tracks were also identified. All sampling locations were marked in the field with a flagged stake.

A total of 213 sediment samples were collected from 71 sampling locations. At each location, sediment samples were collected from three depth intervals: 0 to 6-inch, 6- to 12-inch, and 12- to 18-inch. Sediment samples were collected by using a hand auger. At locations where hand auger could not be used due to the presence of standing water, a split-spoon sampler was used. A hammer was used to manually drive the split-spoon sampler into the sediments. After retrieval, the sample was transferred directly into three 4-oz glass jars. Based on samples collected, the sediment geology consistently exhibited three separate zones. The two upper zones, varying in thickness from three (3) to five (6) inches, indicated the presence of organic silt material. The lowermost zone indicated the presence of light brown, fine, poorly graded sand.

All samples for first round of analyses for PCBs and mercury were shipped to the IEA laboratory the same day. The remaining samples were taken to the Addison, Illinois, office of Montgomery Watson for potential second round of analyses for PCBs.

Prior to sample collection at each location, decontamination of the sampling equipment was conducted in accordance with the SOP.

Copy of BVSPC field notes and photographs of field sampling activities are attached.

#### Excavation of PCB-containing soils along the PGCS trench alignment

The results of sediment/soil sampling conducted on October 31, 1996, along the approved PGCS extraction trench alignment indicated that sediments and surficial soils in the vicinity of sample location ACS-PGCS-11 may contain PCBs at concentrations above the action level of 10 ppm. Based on these results, Montgomery Watson developed an Addendum to Spoils Management Plan, November 14, 1996, to excavate and manage PCB-containing soils along the PGCS trench alignment. On November 21, 1996, Horizontal Technologies, Inc. (HTI) initiated and completed the excavation of PCB-containing soils along the PGCS trench alignment.

The excavation activities, conducted in accordance with the November 14, 1996, plan, proceeded with a single pass of a back-hoe. The excavation extended to approximately two (2) feet below ground surface. The length of the excavation was approximately 100 feet, extending from the sample location ACS-PGCS-10 to the edge of the wetlands to the south.

The excavated soils were stockpiled in the cleared area just west of the south end of the PGCS extraction trench. A plastic sheeting was placed underneath and on top of the stockpile. The stockpiled area was secured with a caution tape. BVSPC was informed that approximately one to two feet of clean soil cover will be placed over the top sheeting at a later date, i.e., during the construction of PGCS extraction trench.

Copy of BVSPC field notes and photographs of field activities are attached.

#### Installation of Natural Gas Line to the Treatment Building

From November 20, 1996, through November 21, 1996, Young's Environmental installed the natural gas line to the treatment building. The installation activities consisted in placing a 4-inch HDPE pipe in a shallow trench, approximately 2 to 2.5 feet deep. All of the excavated materials were used to backfill the trench.

Copy of BVSPC field notes and photographs of field activities are attached.

**Problems Encountered/Corrective Actions:** At locations where standing water was encountered, several unsuccessful attempts were made to sample the wetlands sediment with a hand auger. Sampling at these locations was successfully conducted with a split-

spoon sampling device. The split-spoon sampling device, however, is not included in the list of sampling devices presented in the August 1995 Pre-Design Activities QAPP, Field SOP for sediment sampling and analysis.

The November 6, 1996, Phase II Wetlands Sampling Plan called for three sets of samples, located 50 feet apart in a triangular pattern, near the culvert outfall south of the railroad tracks. One set of samples was selected immediately adjacent to the culvert outfall; the second set of samples was selected approximately 50 feet downstream of the culvert outfall. Montgomery Watson collected the third set of samples approximately 10 to 15 feet upstream of the culvert outfall. BVSPC, however, did not agree with this deviation from the plan without prior approval of the USEPA. Since a decision could not be reached prior to the conclusion of the sampling event, Montgomery Watson also collected a fourth set of samples approximately 50 feet upstream of the culvert outfall in accordance with the plan. A total of four sets of samples were selected near the culvert outfall.

As discussed above, due to the skewed nature of the sampling grid surrounding SD33, the distance between locations A7 and A9 was approximately 140 feet. In order to maintain the maximum 50 feet distance between adjacent sampling locations, two sampling locations, i.e., A8 and A8-1 were selected between A7 and A9. The uppermost sample from location A8-1 was submitted to the laboratory for first round of analyses.

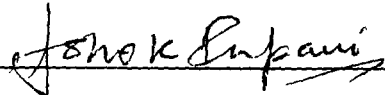
Sample Container requirements presented in the August 1995 Pre-Design Activities QAPP, Field SOP for sediment sampling and analysis indicate that one 8-oz glass jar filled three-fourths be submitted to the laboratory for Pesticides/PCBs analyses and a separate 8-oz glass jar filled three-fourths be submitted to the laboratory for metals analyses. BVSPC observed that only one 4-oz glass jar filled one-half to full was submitted to the laboratory for PCBs and mercury analyses. When BVSPC indicated this deviation from the plan, the field sampling personnel noted that sample volumes collected were sufficient for the intended analyses.

**Future Work Schedule:** Following activities are planned for the month of December, 1996:

- Construction of PGCS extraction trench;
- Installation of two new well nests within the lower aquifer. One well nest will be installed between existing wells MW-8 and MW-10, and the other well nest will be installed between MW-24 and MW-10.

- Sampling of the four new wells and the four landfill wells. BVSPC will collect split samples on all of these wells;
- Initiation of construction activities related to barrier wall, extraction trenches and effluent discharge system.

**Comments:** On November 18, 1996, BVSPC observed pumping of the City of Griffith landfill borrow pit in progress. This borrow pit is located at the northwest corner of the landfill. Photographs of this activity are attached.

Signature:  Date: 12/3/96

John R. Chapman  
11-18-96

0810

marked. Really clearly, 40°  
when horizontal, 10° west of  
true (point) direction are on-site &  
getting ready to mark samples

0825 Walk towards the wetland  
location for Phase II wetland sampling

area. Could not locate any  
Phase I sample locations to  
mark off of new locations.

Rete said anyone will be  
in tomorrow to help locate  
those points. Rete said we  
should be able to locate  
sampling points around 9333

and by the current.

0840 Walk to the current.

Mark off three sampling  
locations. Rete said one  
location on the flow path of  
landfill discharge does not  
have to be 50 feet apart  
since the flow is from the  
Kankakee towards the current

I will discuss this with Steem  
& Tim Chapman

0800

on-site

John R. Chapman  
11-18-96

0850 (#1) Starting sampling locations  
by the current (looking  
east-southeast)

0855 Called Steve and informed  
him of minor change in sampling

plan. He said could back after  
some time.

0900 MW crew getting ready with ATV  
to go into wetland area to  
stake out sampling grid  
around 9333

Date 1 of MW on-site.

0910 Move towards 9333 grid location.  
MW crew leave with ATV.  
0930 Not able to move through  
the wetland area even with  
the ATV.

0935 Mark towards the SW12 location  
to see if the crew has made  
it through the wetland area.

0950 MW crew slide stringing the  
more with ATV. Wetland area is  
at least up to knee high with  
water.



120

Ashok Eupami  
11-18-96

0955 Check out the landfill excavation area. The pit seems to have a lot of water. No pumping is going on. Pete had mentioned earlier today that he had seen the pit being pumped out in the past.

1010 (#2) Marked locations for wetland sampling with orange tuberos (looking ~~west~~ north)

1020 (#3) Area cleared for PIC's trench (looking north)

1030 Continue to access and mark SD33 grid locations. Cliff said he located the channel which crosses SD33 location

1100 (#4) MW crew trying to clear the wetland area for sampling purposes. (looking north)

1140 MW crew back to the trailer. They are going to continue clearing after lunch. It's unlikely that they will be

Ashok Eupami  
11-18-96

121

able to sample today.

1145 Called Steve M and left a message stating that Pete Vast is going to have a conference call with Sheri at 2:30 this afternoon and that it would be appropriate if Pete let Sheri know about less than 50' distance between two sampling locations by the culvert.

1200 Break for lunch

1300 Back from lunch.

Continue accessing and marking SD33 grid.

1330

(#5) Channel in the wetland. SD33 is located along this. (looking west)

(#6) (#7) Excavation area by the landfill where pumping was going on (looking south)

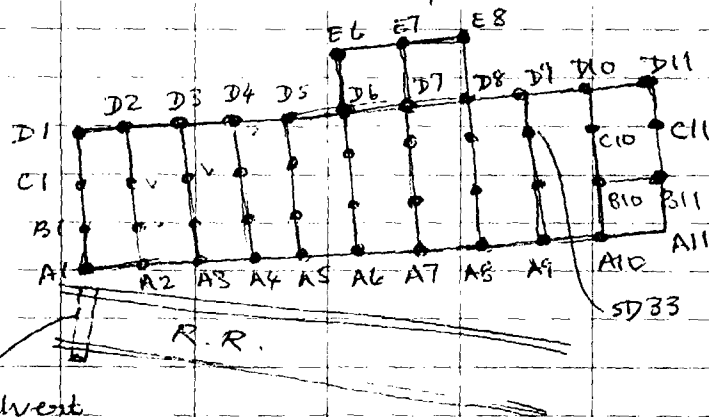
1545 MW crew continue to mark off sampling locations for SD33 grid.

1550 I could not get to lot of locations with MW crew due to high waters in the wetland but observed the

Ashok Rupan  
11-18-96

proceedings from south end of  
the wetlands and from the  
railroad tracks.

1555 MW has designated following  
names to the samples.



1650 MW now completed staking of  
all locations from C1 through  
E8. They will complete the  
staking tomorrow.

1700 Off site

end

Ashok Rupan  
11-19-96

0800 On site

Weather: Partly cloudy, 35°

0810 Met with Dave P and John H.  
of MW regarding today's plans.  
They are going to finish up staking  
all locations by 10 this morning.  
Surveyors are on site. Dave told  
me they are going to be doing  
some well surveys prior to  
marking the transect locations.

0815 Talked with Steve M. He informed  
me USEPA is aware of minor  
change in sampling plan.

#8 Marking sampling location A10  
0845 in SD33 grid (looking NW)  
0945 Continue to stake out SD33  
grid locations

0950 Dave P told me because the  
channel is not exactly straight  
as shown in the drawing, the  
grid is going to be somewhat  
skewed and that they would  
probably have to collect couple of  
additional samples to make  
sure sample distances are SD.

124

Ashok Rupaui

11-19-96

feet or less

MW crew All location. I suggest to check with Pete since on the map there did not appear to be any sampling location close to All.

0955 Called Shon and left a message giving her an update of this week's happenings so far.

1115 Finished staking out all SD33 grid locations

1125 Back to the trailer

1150 Back for lunch

1235 Back to the trailer. MW crew is getting setup to sample.

1245 Surveyors onsite

1300 Begin locating reference points (SD31, SD34, SD35, SD21)

to collect transect samples

Ben informed me about the upcoming activities. HTI will likely conduct soil borings

on 11/21 or 11/22. P6CS

truck construction will begin on 11/25. Trash removal

Ashok Rupaui

11-19-96

125

along the barrier wall alignment will be done primarily tomorrow or Thursday 11/21. Gas line for the P6CS building will be constructed tomorrow.

1345 Set up to sample at B-1

Realized that a different sampling device would be needed. So Clayton & John Rachel back to the trailer to get a different sampler

(#7) Surveyors locating the Phase I sampling points to be used in locating Phase II transects (looking east)

Sample time Location

B1

1400

Clayton says the sampler they have is not going to work so head back to the trailer to order new core sampler by tomorrow morning. Clayton said once surveyors are done, he is going to try sampling the transect locations where there is

Ashok Bapari  
11-19-96

no standing water

1410 John begins to do sample  
for labelling

Joe Willich & Aaron Bailey of MW  
1420 onsite to visit Ben

1435 Go to OFCA with Ben to see  
the spoils area that have  
been staked out.

1450 (#10) PCB spoils area staked out  
(looking east)

1452 (#11) VOC & PCB spoils area  
staked out (looking  
southwest)

The upper aquifer sand spoils  
area was not staked out.  
I suggested to Ben that  
staking the area may not  
be a good idea.

1458 Met with Joe Fischer of Young's  
Environmental who is going to  
start laying the PGES gas  
line tomorrow.

1505 Surveyors off site.

Ashok Bapari  
11-19-96

1520 Out setup to stake off transect  
sample locations.

1635 Complete staking out the transect  
locations except T4. The surveys  
have not re-located SD21.

Clayton said they will start  
sampling tomorrow morning.

1655 off site

end

Chokedipanni  
11-20-96

0745 on site

Weather Partly Cloudy, 35°

0750 Ben showed the areas where PCB soils along PACS Trench will be excavated. The PCB pile area also has been staked just west of the trench location.

(#12) 0830 Split spoon sample from C2 location (facing south); recovered approx. 15 inches of sample. B1 was completed a few minutes earlier.

0845 Move in to sample B3 and C4. Sediment geology as far appears to have three distinct zones varying in lengths of 3 to 5 inches from what was evident from the split spoons. The three samples were being collected from these three zones as they nearly mimic the required sampling intervals.

Chokedipanni  
11-20-96

(#13) Three samples from D3 (looking south) - 0910

0915 Phil & Dave on site they will also start sampling at transect locations

0920 John & Clayton move on to C6 & B5

0930 Split spooning at B5 (looking north)

(#15) Sample extracted at B5 (looking north)

0935 Go over to the transect locations where Phil & Dave are getting ready to sample.

1000 Begin sampling at T1 & T2

1005 sampling at T2B (looking west)

1010 Completed sampling at T2B, T2C, T1B

1015 PCB excavation area along PACS trench extends from about 20 feet north of sample no. 10 (clean sample) to about 30' south of sample no. 11 (where PCB > 10 ppm)

130

Ashok Rupan

11-20-96

1040 Begin sampling at T3A, T3B &amp; T3C

(#17) Sampling at T3C @ SD35

(looking northeast)

1050 Go over to John &amp; Clayton they just finished sampling at D9 they have sampled C9, B9, C8, &amp; C10 so far.

1100 Move over to D8

(#18) Split spooning at D8 (looking southwest)

1110 Move over to D7

1113 (#19) split spooning at D7 (looking east)

1120 Move over to D6

1124 (#20) split spoon sample at D6 (looking west)

1130 Move over to D5 and begin sampling (4 oz sample containers are being used)

1140 Move over to D4 and begin sampling

1155 Back to the trailer

1200 Break for lunch

1245 Back on site.

1250 Young's Env is laying out the

Ashok Rupan

11-20-96

131

gas line location.

1255 Called Sheri and gave her an update on what's going on.

1330 Field crew back from lunch.

1405 Finished sampling at T2E &amp; T1D

1415 Go over to John & Clayton they just sampling at B+C1  
AKA

1440 Move over by the culvert to collect samples.

1445 (#21) split spoon sampling at location farthest from the culvert mouth (looking southeast)

1450 Collect sample at culvert outfall

1500 Back to the trailer. Will discuss location of SD21 as shown on the map. Based on discussion among the field crew, it appears SD-21 is actually located in the center of drainage channel to the south of the wetland. At this

1540 Crew by the culvert to collect two upstream samples

132

Shook Cupam  
11-20-96

1550

(1122) Spill spoon sample  
from culvert upstream  
sample (looking east-north  
east)

1555

Collect another culvert  
upstream (towards the ~~gate~~  
landfill) sample. <sup>AKR</sup>

1610

Go over by SD-21 where Judd  
was collecting dust samples

1625

Sampling activities are done for  
the day

Following samples were sent in  
as 1st round analyses

Culvert outfall - 0.5'

Culvert downstream - 0.5'

Culvert upstream<sup>(1)</sup> - 0.5'

Culvert upstream<sup>(2)</sup> - 0.5'

C10 - 1.0'

T4(B) - 0.5'

T4(C) - 1.0'

T4(D) - 0.5'

C2 - 0.5'

D3 - 0.5'

C4 - 0.5'

B5 - 0.5'

Shook Cupam  
11-20-96

133

C6 - 0.5'

D7 - 0.5'

C8 - 0.5'

B9 - 0.5'

C9 - 1.0'

D9 - 0.5'

T3(B) - 0.5'

T3(C) - 1.0'

T3(D) - 0.5'

T1(B) - 0.5'

T1(C) - 0.5'

T1(D) - 0.5'

T2(B) - 0.5'

T2(C) - 0.5'

T2(D) - 0.5'

B1 - 0.5'

1635 Call Steve for an update

1645 off site

end.

134

Shokupane  
11-21-96

0750 On site

Weather: snow, cold, 50°F

Ben said that HTI will  
conduct soil borings tomorrow.  
They are getting setup to dig up  
PCB soils along the PGCS trench.  
MW field crew has just begun  
wetland sampling at A1.

Young's Environmental is laying  
the gas line.

0820 Begin excavating PCB soils along  
PGCS trench.

0830 (#23) North end of the PCB soils  
excavation (looking south <sup>west</sup> ~~east~~)

0840 (#24) Excavation continues (looking <sup>west</sup> ~~east~~ <sup>NR</sup> south)

0845 (#25) Placing excavated soils  
in the digger bucket (looking  
south)

0850 Continue to excavate trench,  
is approx 100 feet long.  
At ground center of this  
excavation (lined by in line with  
drainage ditch from ACS), some  
solvent odors observed.

135

Shokupane  
11-21-96

0900 (#26) Placing extra plastic to  
stockpile PCB soils (looking  
south)

0920 Finish excavation

(#27) Completed excavation (looking  
~~west~~ north)  
NR

0925 Begin placing plastic on top of  
stockpile.

0930 Go over to John who is sampling  
wetland sediments.

0940 Just completed B4. Moving  
over to C5

John has just complete following:  
A1, A2, A3, A4, B2, B3, B4, C1, C3  
and B1 Dup.

0950 Begin sampling at A <sup>NR</sup> C5

1010 (#28) Sampling at A5 (looking  
south west)

1030 (#29) Sampling at A6 (looking  
east)

1045 Sampling at B6

1100 Walk over to Dave & Phil.  
They have completed A10, A9,  
E8 and the remaining transect



Joshua Ruppam  
11-21-96

locations. Doing some  
sampling C11 & A11 is  
sampling B11.

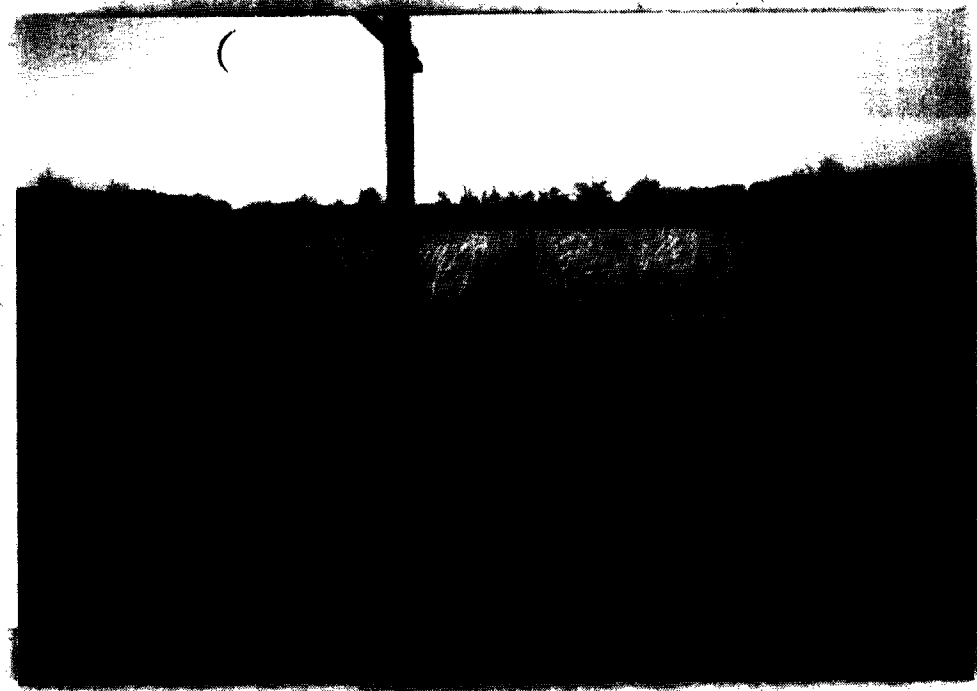
- 1103 (#30) Sampling at C11 (looking  
east-northeast)
- 1110 Back to the trailer to pickup  
more sample containers
- 1112 (#31) PCB excavation has been  
temporarily suspended  
(looking north)
- 1115 (#32) PCB excavation soils  
stockpiled just west of the  
PCCS trench location (looking  
south)
- 1125 (#33) Gas line being installed  
(looking south)
- 1130 Ben told me all soils excavated  
from gas line installation  
will be put back in the  
excavation. Gas line is 4" HDPE  
installed 2-2.5 below ground.
- 1145 Called Steve and left a message.  
Field crew back to the trailer  
they completed A7, A8 & B8  
and also collected duplicates

Joshua Ruppam  
11-21-96

- at A7, A8 & D1.
- 1200 Break for lunch.
- 1300 Back from lunch.
- Get set up to take the samples  
at remaining 4 locations.
- 1335 Set up at B7 and begin sampling
- 1345 Collect a duplicate sample at  
B6 C7
- 1355 <sup>A7</sup> collect sample at E7. First spoon  
had no recovery. Try another one.
- 1357 (#34) Sampling at E7 (looking  
west)
- 1405 Collect sample at E6. Also collect  
dup.
- 1415 Wetland sampling Phase II  
completed. Head back to the  
trailer.
- 1430 Ben handed me over the schedule.
- 1445 Fox Dilling on site. After checking  
out the drilling area, they decided  
they are not going to be able to  
start tomorrow. Probably begin  
Monday 11/25/96.
- 1510 Discuss with Ben about upcoming  
activities in the next couple of  
activities.
- 1530 off site
- end



Site: American Chemical Services, Inc. RD/ERA  
 Proj. #: 71670.600  
 Roll: 1 Photo #: 1  
 Date: 11-18-96 Time: 1010  
 Photographer: Ashok Rupani  
 Description: Facing north. Grid sediment sampling location  
 A2 near the north end of the culvert beneath  
 the railroad tracks.



Site: American Chemical Services, Inc. RD/ERA  
 Proj. #: 71670.600  
 Roll: 1 Photo#: 2  
 Date: 11-18-96 Time: 1100  
 Photographer: Ashok Rupani  
 Description: Facing north. Montgomery Watson field personnel  
 clearing sampling locations within the wetlands area  
 for easier access.



Site: American Chemical Services, Inc. RD/ERA

Proj. #: 71670.600

Roll: 1 Photo #: 3

Date: 11-18-96 Time: 1330

Photographer: Ashok Rupani

Description: Facing west. The drainage ditch running from ACS facility into the wetlands area was identified in the field.

Site: American Chemical Services, Inc. RD/ERA

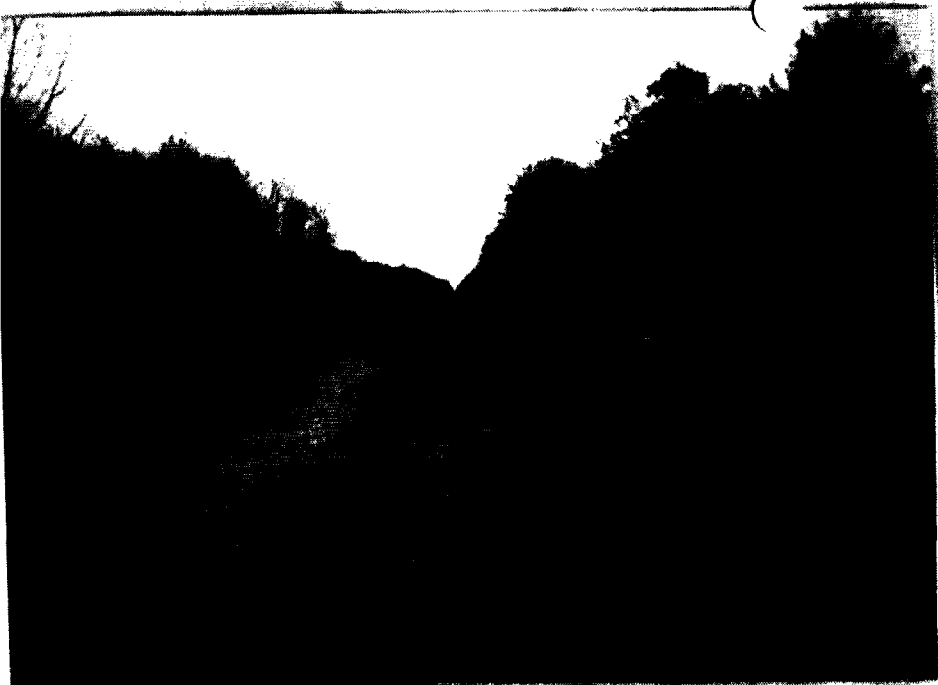
Proj. #: 71670.600

Roll: 1 Photo #: 4

Date: 11-19-96 Time: 0845

Photographer: Ashok Rupani

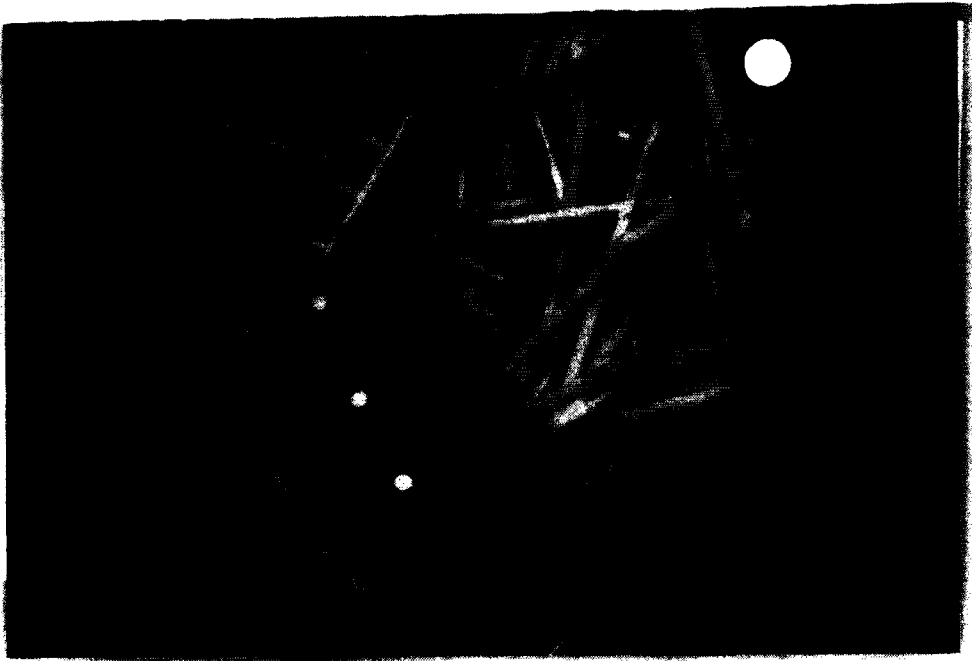
Description: Facing northwest. Marking grid sampling location A10 in the field.



Site: American Chemical Services, Inc. RD/ERA  
 Proj. #: 71670.600  
 Roll: 1 Photo #: 5  
 Date: 11-19-96 Time: 1345  
 Photographer: Ashok Rupani  
 Description: Facing east. Surveyors locating Phase I sediment sampling points in order to identify Phase II transect locations.



Site: American Chemical Services, Inc. RD/ERA  
 Proj. #: 71670.600  
 Roll: 1 Photo #: 6  
 Date: 11-20-96 Time: 0830  
 Photographer: Ashok Rupani  
 Description: Facing south. Split-spoon sample from grid sampling location C2.



Site: American Chemical Services, Inc. RD/ERA  
Proj. #: 71670.600  
Roll: 1 Photo #: 7  
Date: 11-20-96 Time: 0910  
Photographer: Ashok Rupani  
Description: Facing south. Samples from three depth intervals, i.e., 0 to 6-inch, 6- to 12-inch and 12- to 18-inch, collected from grid sampling location D3.



Site: American Chemical Services, Inc. RD/ERA  
Proj. #: 71670.600  
Roll: 1 Photo #: 8  
Date: 11-20-96 Time: 0930  
Photographer: Ashok Rupani  
Description: Facing north. Collecting sample at grid sampling location B5 using split-spoon sampler.



Site: American Chemical Services, Inc. RD/ERA

Proj. #: 71670.600

Roll: 1 Photo #: 9

Date: 11-20-96 Time: 0933

Photographer: Ashok Rupani

Description: Facing north. Split-spoon sample from grid sampling location B5.

Site: American Chemical Services, Inc. RD/ERA

Proj. #: 71670.600

Roll: 1 Photo #: 10

Date: 11-20-96 Time: 1005

Photographer: Ashok Rupani

Description: Facing west. Transferring sample into containers at transect sampling location T2B.



Site: American Chemical Services, Inc. RD/ERA

Proj. #: 71670.600

Roll: 1 Photo #: 11

Date: 11-20-96 Time: 1045

Photographer: Ashok Rupani

Description: Facing northeast. Transferring sample into containers at transect sampling location T3C, i.e., Phase I sampling location SD35.



Site: American Chemical Services, Inc. RD/ERA

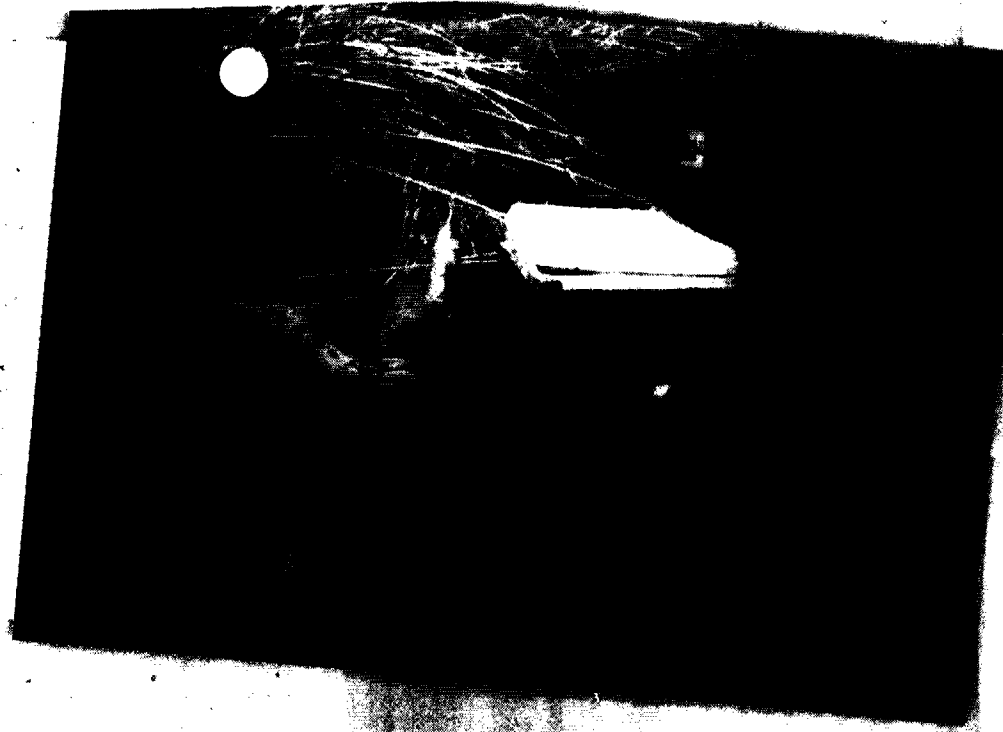
Proj. #: 71670.600

Roll: 1 Photo #: 12

Date: 11-20-96 Time: 1100

Photographer: Ashok Rupani

Description: Facing southeast. Collecting sample at grid sampling location D8 using split-spoon sampler.



Site: American Chemical Services, Inc. RD/ERA

Proj. #: 71670.600

Roll: 1 Photo #: 13

Date: 11-20-96 Time: 1113

Photographer: Ashok Rupani

Description: Facing east. Collecting sample at grid sampling location D7 using split-spoon sampler.

Site: American Chemical Services, Inc. RD/ERA

Proj. #: 71670.600

Roll: 1

Date: 11-20-96


Photo #: 14

Time: 1124

Photographer: Ashok Rupani

Description: Facing west. Split-spoon sample from grid sampling location D6.





Site: American Chemical Services, Inc. RD/ERA

Proj. #: 71670.600

Roll: 1

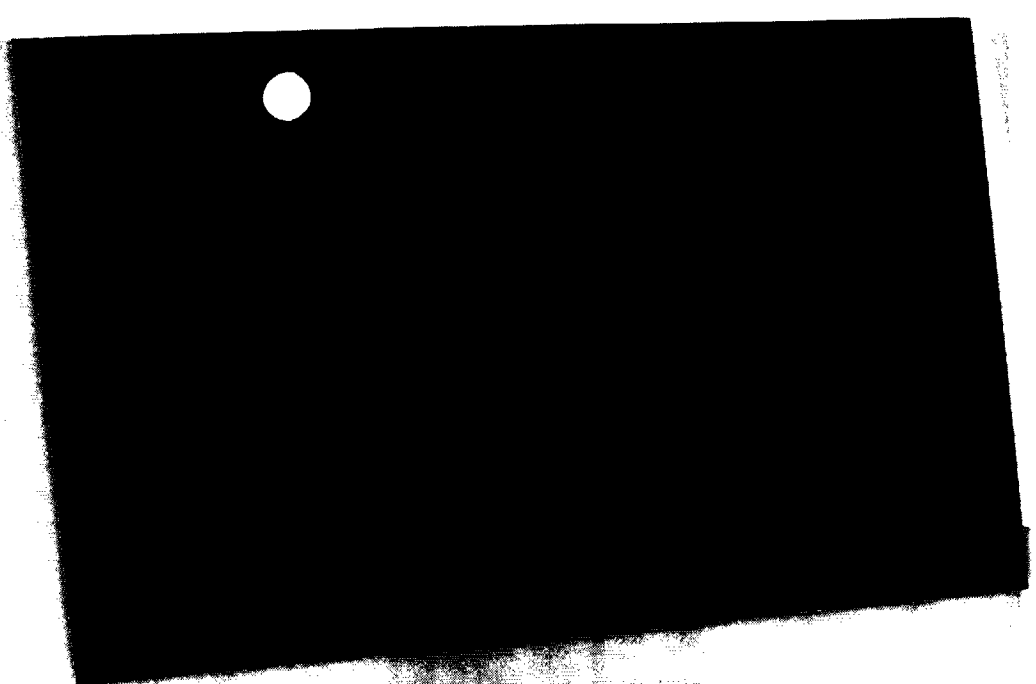
Photo #: 15

Date: 11-20-96

Time: 1445

Photographer: Ashok Rupani

Description: Facing southeast. Collecting split-spoon sample at location downstream of culvert outfall south of the railroad tracks.



Site: American Chemical Services, Inc. RD/ERA

Proj. #: 71670.600

Roll: 1

Photo #: 16

Date: 11-20-96

Time: 1550

Photographer: Ashok Rupani

Description: Facing east-northeast. Split-spoon sample from location upstream of culvert outfall south of the railroad tracks.



Site: American Chemical Services, Inc. RD/ERA

Proj. #: 71670.600

Roll: 1 Photo #: 17

Date: 11-21-96 Time: 1010

Photographer: Ashok Rupani

Description: Facing southwest. Collecting split-spoon sample at grid sampling location A5.



Site: American Chemical Services, Inc. RD/ERA

Proj. #: 71670.600

Roll: 1 Photo #: 18

Date: 11-21-96 Time: 1030

Photographer: Ashok Rupani

Description: Facing east. Split-spoon sample from grid sampling location A6.



Site: American Chemical Services, Inc. RD/ERA

Proj. #: 71670.600

Roll: 1 Photo #: 19

Date: 11-21-96 Time: 1103

Photographer: Ashok Rupani

Description: Facing east-northeast. Collecting sediment sample at grid sampling location C11 using a hand auger.



Site: American Chemical Services, Inc. RD/ERA

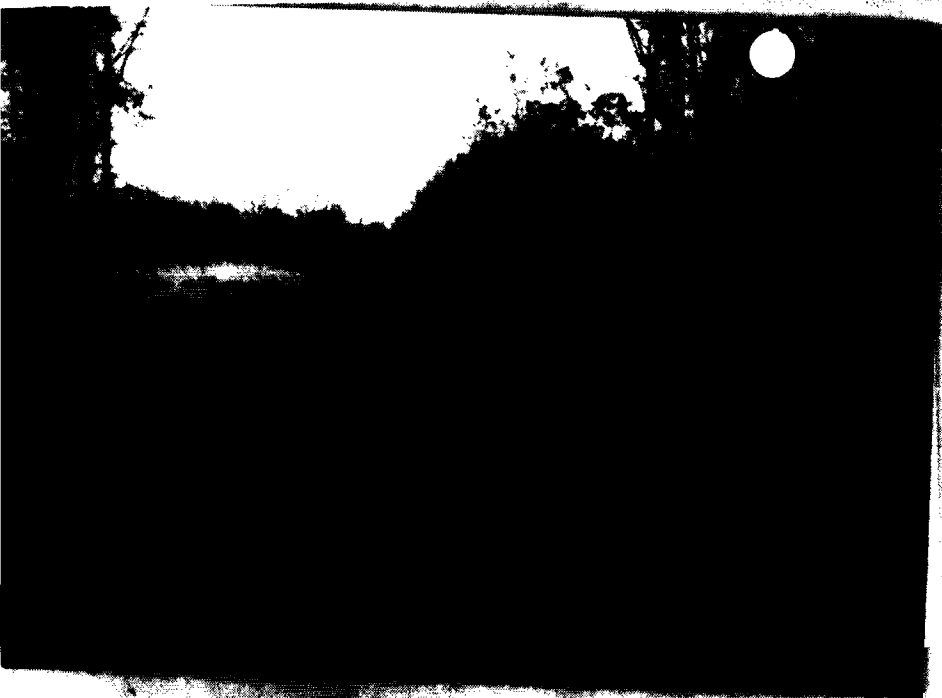
Proj. #: 71670.600

Roll: 1 Photo #: 20

Date: 11-21-96 Time: 1359

Photographer: Ashok Rupani

Description: Facing west. Collecting split-spoon sample at grid sampling location E7.



Site: American Chemical Services, Inc. RD/ERA

Proj. #: 71670.600

Photo #: 21

Roll: 1

Time: 1020

Date: 11-18-96

Photographer: Ashok Rupani

Description: Facing north. The PGCS extraction trench area near the south end of the wetlands area.

Site: American Chemical Services, Inc. RD/ERA

Proj. #: 71670.600

Photo #: 22

Roll: 1

Time: 0830

Date: 11-21-96

Photographer: Ashok Rupani

Description: Facing southwest. North end of the PCB-containing soils excavation along the PGCS extraction trench alignment.



Site: American Chemical Services, Inc. RD/ERA

Proj. #: 71670.600

Roll: 1 Photo #: 23

Date: 11-21-96 Time: 0840

Photographer: Ashok Rupani

Description: Facing south. Excavating approximately 2 feet of PCB-containing soils along the PGCS extraction trench alignment.



Site: American Chemical Services, Inc. RD/ERA

Proj. #: 71670.600

Roll: 1 Photo #: 24

Date: 11-21-96 Time: 0845

Photographer: Ashok Rupani

Description: Facing south. PCB-containing soils along the PGCS extraction trench alignment were excavated and directly placed in the dozer bucket for transport to the stockpile area.



Site: American Chemical Services, Inc. RD/ERA  
 Proj. #: 71670.600  
 Roll: 1 Photo #: 25  
 Date: 11-21-96 Time: 0900  
 Photographer: Ashok Rupani  
 Description: Facing south. Placing additional plastic to stockpile PCB-containing soils.



Site: American Chemical Services, Inc. RD/ERA  
 Proj. #: 71670.600  
 Roll: 1 Photo #: 26  
 Date: 11-21-96 Time: 0920  
 Photographer: Ashok Rupani  
 Description: Facing north. Excavation of PCB-containing soils along the PGCS extraction trench alignment completed.



Site: American Chemical Services, Inc. RD/ERA

Proj. #: 71670.600

Roll: 1 Photo #: 27

Date: 11-21-96 Time: 1112

Photographer: Ashok Rupani

Description: Facing north. After completion, the PCB-containing soils excavation along the PGCS extraction trench alignment was temporarily secured with a caution tape.



Site: American Chemical Services, Inc. RD/ERA

Proj. #: 71670.600

Roll: 1 Photo #: 28

Date: 11-21-96 Time: 1115

Photographer: Ashok Rupani

Description: Facing south. The PCB-containing soils were stockpiled in an area just west of the PGCS extraction trench location. The soils were covered with a plastic. The area was temporarily secured with a caution tape.



Site: American Chemical Services, Inc. RD/ERA  
 Proj. #: 71670.600  
 Roll: 1 Photo #: 29  
 Date: 11-21-96 Time: 1115  
 Photographer: Ashok Rupani  
 Description: Facing south. Natural gas line to the treatment building  
 being installed by Young's Environmental.



Site: American Chemical Services, Inc. RD/ERA  
 Proj. #: 71670.600  
 Roll: 1 Photo #: 30  
 Date: 11-18-96 Time: 1525  
 Photographer: Ashok Rupani  
 Description: Facing south. Water in the borrow pit located in the  
 northwest corner of the Griffith Landfill area is being  
 pumped. The pump is visible in the picture just right of  
 the sign post.





Site: American Chemical Services, Inc. RD/ERA  
Proj. #: 71670.600

Roll: 1 Photo #: 31  
Date: 11-18-96 Time: 1530

Photographer: Ashok Rupani

Description: Facing south. Water in the borrow pit located in the northwest corner of the Griffith Landfill area is being pumped.

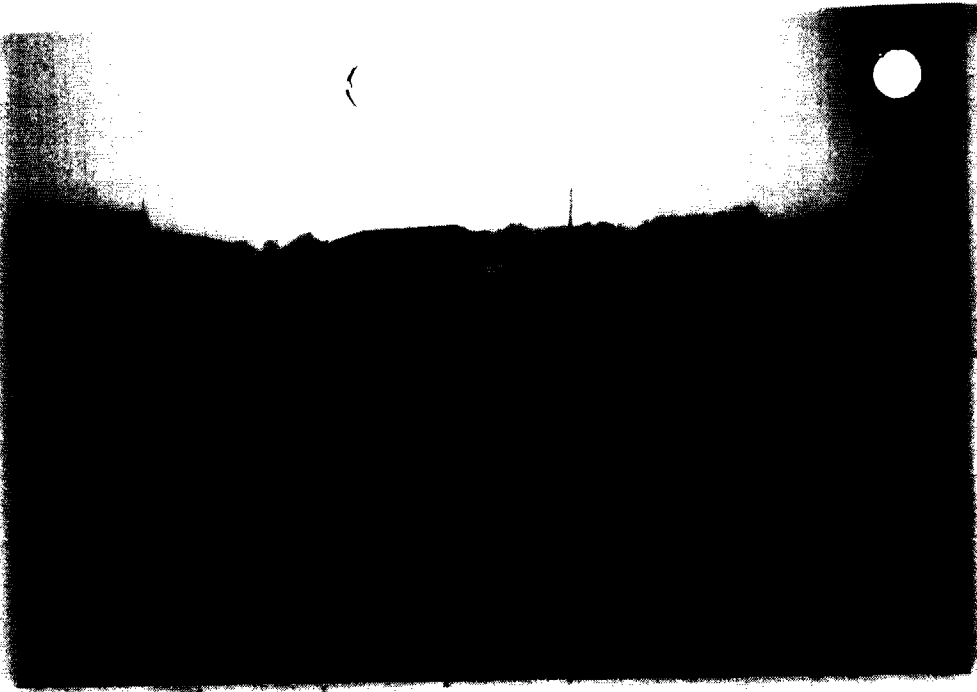


Site: American Chemical Services, Inc. RD/ERA  
Proj. #: 71670.600

Roll: 1 Photo #: 32  
Date: 11-19-96 Time: 1450

Photographer: Ashok Rupani

Description: Facing east. The PCB-containing spoils area located in accordance with the Spoils Management Plan. The area shown with yellow stakes.



Site: American Chemical Services, Inc. RD/ERA

Proj. #: 71670.600

Roll: 1 Photo #: 33

Date: 11-19-96 Time: 1452

Photographer: Ashok Rupani

Description: Facing southwest. The PCB and VOC--containing spoils area located in accordance with the Spoils Management Plan. The area shown with yellow stakes.